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(54) **SAMPLE HANDLING SYSTEM**

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(57) **ABSTRACT**

Sample handling system for handling samples contained in tubes (**4**), each tube (**4**) having a hollow body, a closed bottom and an open top for accessing the sample contained in the tube (**4**). The system comprises a micro-plate (**1**) comprising at least one grid insert (**2**) having a plurality of compartments. Each compartment comprises one or more side walls laterally confining a through-hole for receiving a said tube (**4**). The through-hole has a top opening and a bottom opening and extends between the top opening and the bottom opening. A frame (**3**) to which the at least one separate grid insert (**2**) is to be attached to form the micro-plate (**1**). The frame (**3**) laterally confines a through-opening
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